

## **DEGREE TITLE: DIAGNOSTIC IMAGING TECHNOLOGY**

**AFSC(S): 4R0X1, Diagnostic Imaging  
4R0X1C, Diagnostic Imaging (MRI)**

**PROGRAM GOAL:** The goal of the **CCAF Diagnostic Imaging Technology Degree Program** is to prepare graduates to facilitate patient care in a health care setting through the application of diagnostic and therapeutic ionizing radiation treatment. Students will acquire the professional, ethical and technical skills required of radiologic practitioners through the successful completion of didactic courses, laboratory participation, and clinical experiences. The program is designed to develop effective leaders of our most valued resource—our people—and cultivate managers of complex systems, processes, and technologies essential to the Air Force and our Nation.

**LEARNING OUTCOMES:** Upon completion of this program students will be able to:

1. Assist the radiation oncologist in radiation treatment of disease and apply the principles of radiation protection for the patient, health care providers, and others.
2. Apply the knowledge of anatomy, positioning, and radiographic techniques to show anatomical structures on the radiograph.
3. Recognize the needs of the patient are first and foremost, and possess the knowledge and skills to attend to those needs.
4. Use specialized equipment to perform mammography, computerized tomography, and magnetic resonance imaging (MRI).
5. Safely perform fluoroscopic, interventional, and special examinations.
6. Effectively use the picture archiving computer systems (PACS) and other computer-based imaging modalities.
7. Plan, organize, and supervise diagnostic imaging activities to include analyzing the workload, establishing production controls and performance standards, and preparing equipment purchase requests and justifications.
8. Demonstrate critical thinking skills and effectively communicate with the patients and colleagues in a professional and humanistic manner.
9. Maintain emergency response carts, recognize emergency patient conditions, and initiate life saving first aid and basic life support procedures.
10. Manage the release of medical information within the limits of the Health Insurance Portability & Accountability Act (HIPAA) of 1996.